



DEPARTMENT OF THE NAVY
BUREAU OF NAVAL PERSONNEL
5720 INTEGRITY DRIVE
MILLINGTON, TN 38055-0000

BUPERSINST 1401.4E
PERS-45E

15 NOV 2011

BUPERS INSTRUCTION 1401.4E

From: Chief of Naval Personnel

Subj: ASTRONAUT CANDIDATE SELECTION PROGRAM

Encl: (1) Sample Application Format

1. Purpose. To publish information and provide procedures for application to the National Aeronautics and Space Administration (NASA) Astronaut Candidate Selection Program. This instruction is a complete revision and should be reviewed in its entirety.

2. Cancellation. BUPERSINST 1401.4D.

3. Summary of Changes

a. NASA no longer has separate Pilot Astronaut and Mission Specialist Qualification Requirements. Both have been combined into Astronaut Candidate Qualification Requirements.

b. Some of the Visual Acuity standards have been deleted from this instruction.

4. Background. NASA will periodically select astronaut candidates for future space flight missions. In a memorandum of agreement between the Department of Defense and NASA, a provision is made for highly qualified Navy personnel to participate in the nationwide Astronaut Candidate Selection Program. Successful applicants will be assigned to positions located at Lyndon B. Johnson Space Center in Houston, TX, and be involved in a 2-year training and evaluation program, after which they will enter the astronaut corps and be eligible for assignment as astronauts on future missions.

5. General. Interested personnel who desire to become a astronaut candidate and who meet selection criteria are encouraged to submit an application via their commanding officer and Navy Personnel Command (NAVPERSCOM) following applicable procedures in this instruction. NASA has emphasized their desire for maximum participation by all qualified personnel. A Navy selection board will identify the best qualified nominees for the available astronaut positions. A list of best qualified

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astronaut candidate nominees and their application packages will be forwarded to NASA for final consideration. NASA will select Navy astronaut candidates from this list.

6. Astronaut Candidate Qualification Requirements. U.S. Navy applicants for the Astronaut Candidate Program must meet following minimum qualifications:

a. U.S. citizen on active duty with minimum 5 years active commissioned service;

b. Earned a bachelor's degree from an accredited institution in engineering, biological or physical science, or mathematics. Quality of academic preparation is important;

c. Degree must be supplemented by at least 3 years relatable experience or a minimum of 1,000 hours of pilot-in-command time in jet aircraft. An advanced degree is desired and can be substituted for experience requirement (master's degree 1 year; Ph.D. degree, 3 years); and

d. Be able to pass the NASA long-duration space flight physical, which includes the following specific requirements:

(1) Height:	<u>Minimum</u>	<u>Maximum</u>
	62 inches	75 inches

(2) Visual Acuity: Distant and near visual acuity must be correctable to 20/20 in each eye. All applicants must complete a cycloplegic refraction examination. Note: The refractive surgical procedures of the eye, PRK and LASIK, are now allowed, providing at least 1 year has passed since the date of the procedure with no permanent adverse after effects.

(3) Blood Pressure: Preponderant systolic may not exceed 140 mm Hg, nor diastolic exceed 90 mm Hg, measured in a sitting position.

(4) Auditory Acuity: Any significant hearing loss is disqualifying, as indicated below:

Frequency (HZ)	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>3000</u>	<u>4000</u>
Maximum dB loss					
Both ears	30	25	25	35	50

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7. Application Procedures

a. Selection board convening date will be announced by NAVADMIN. Applications with all enclosures must be submitted in the format shown in enclosure (1) and must be received by the NAVPERSCOM Customer Service Center (CSC) no later than the due date indicated in the announcement message.

b. Applications sent to NAVPERSCOM via U. S. Postal Service should use the following address:

Navy Personnel Command
Astronaut Candidate Selection Board (Board #295)
Customer Service Center PERS-1
5720 Integrity Drive
Millington TN 38055-6300

c. Applications sent to NAVPERSCOM via FEDEX/UPS/DHL should use the following address:

Navy Personnel Command
Astronaut Candidate Selection Board (Board #295)
Customer Service Center PERS-1
5640 Ticonderoga Loop Bldg 768 RM E302
Millington TN 38055-6300

d. Receipt of correspondence should be confirmed with the CSC via one of the following methods:

(1) Online Web request: <http://www.public.navy.mil/bupers-npc/organization/npc/csc/Pages/default.aspx>

(2) Phone toll free: 1 (866) U-ASK-NPC (1-866-827-5672)

(3) Phone: (901) 874-5672/DSN 882

(4) E-mail: CSCmailbox@navy.mil

e. Astronaut Candidate Selection Boards are conducted at NASA's discretion and will be advertised via NAVADMIN. In addition to submitting a package to NAVPERSCOM in accordance with the NAVADMIN, all applicants must apply for astronaut candidate selection on the USA Jobs Web site, <http://www.usajobs.gov>, during the specified timeframe.

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Candidates will apply for the vacancy by building an electronic resume. This USA Jobs resume and copies of all forms completed on the USA Jobs Web site must be included with the application package to NAVPERSCOM.

f. Copies of SF 88 Medical Record - Report of Medical Examination or DD 2808 Report of Medical Examination, documenting Class I Medical Service Group 1 flight physical, SF 93 Report of Medical History or DD 2807-1 Report of Medical History, EKG results, Thyroid Function Test results (TSH, T3, and T4), Cycloplegic Refraction, Near Point of Convergence, and Slit Lamp examination results, PRK/LASIK pre-operative evaluation, post-operative follow-up report, and computer laser operative report if applicable must be forwarded to:

Naval Aerospace Medical Institute
ATTN: NAMI Code 342
340 Hulse Road
Pensacola, Fl 32508-1071

Packages may also be submitted via fax at (850) 452-2957/DSN 922, or as e-mail attachments to physquals-nomi@med.navy.mil. Copies of the SF 88, DD 2808, SF 93, and DD 2807-1 may be obtained at your local military treatment facility or downloaded as stated in paragraph 11. Copies of all above medical screening forms must be included with the application package forwarded to NAVPERSCOM. Packages must be received by the date indicated in the announcement message.

8. Command Endorsement. Commanders are encouraged to ensure widest dissemination of this program. Command endorsement of applications is required and should include a personal assessment of applicant as a prospective astronaut and a recommendation for the requested duty.

9. Updated and supplemental information is available on the NAVPERSCOM Astronaut Candidate Selection Board Web page, <http://www.public.navy.mil/bupers-npc/boards/administrative/Pages/NASAAstronautCandidate.aspx>.

10. Records Management. Records created as a result of this instruction, regardless of media or format, shall be managed per Secretary of the Navy Manual M-5210.1 of November 2007.

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11. Forms. SF 88 (Oct 94) Medical Record - Report of Medical Examination, SF 93 (Jun 96) Report of Medical History, DD 2808 (Oct 05) Report of Medical Examination, and DD 2807-1 (Mar 07) Report of Medical History, are available at <http://www.dtic.mil/whs/directives/infomgt/forms/index.htm>.



D. P. QUINN
Rear Admiral, U.S. Navy
Deputy Chief of Naval Personnel

Distribution:

Electronic only, via BUPERS Web site

<http://www.public.navy.mil/bupers-npc/Pages/default.aspx>

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SAMPLE APPLICATION FORMAT

From: Rank, Name (First, Middle, Last), Designator
To: Navy Personnel Command (PERS-45E)
Via: Commanding Officer,

Subj: APPLICATION FOR ASTRONAUT CANDIDATE SELECTION

Ref: (a) BUPERSINST 1401.4E

Encl: (1) SF 88 Medical Record - Report of Medical Examination
or DD 2808 Report of Medical Examination
(2) SF 93 Report of Medical History or DD 2807-1 Report
of Medical History
(3) EKG results
(4) Thyroid Function Test Results (TSH, T3, and T4)
(5) Cycloplegic Refraction, Near Point of Convergence and
Slit Lamp examination Result
(6) PRK/LASIK Reports (if required)
(7) Copy of College Transcripts
(8) USA Jobs Resume
(9) Supplemental Application Forms

1. Per reference (a), enclosures (1) through (9) are submitted
and I request to be considered for the Astronaut Candidate Program
with National Aeronautics and Space Administration (NASA).

2. Current military address:

3. Date of commission:

4. Instrument rating: (if applicable)

5. Flying experience: (if applicable)

a. Total hours:

b. First pilot total hours:

c. First pilot hours within last 12 months:

d. First pilot hours in jet aircraft:

Enclosure (1)

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Subj: APPLICATION FOR ASTRONAUT CANDIDATE SELECTION

- e. First pilot hours in jet aircraft within last 12 months:
 - f. Aircraft in which current (as of application date):
 - g. List aircraft flown by type, total hours, date last flown:
 - h. Test pilot school/graduate date:
 - i. Test pilot experience (number of years):
 - j. Aviation combat experience:
6. Education background:
- a. Service schools:
 - b. College(s) attended:
 - (1) Degree(s) and year of graduation (major/minor):
 - (2) Grade point average based on a 4.0 system (undergraduate and graduate):
7. Describe experience/technical competence
- a. Post-graduate job experience: (degree related)
 - b. Experience in aeronautic/space related fields:
8. Applicant Contact information
- a. Applicant personal/work e-mail address:
 - b. Applicant personal/work phone number:

(Signature)